

**WHAT IS CLAIMED IS:**

5           1. Dielectric resonator antenna comprising a block of dielectric material, said block having a first face intended to be mounted on an earth plane and covered with a metallic layer, wherein at least one second face perpendicular to the first face is covered with a metallic layer over a width less than the width of the second face and over a height less than or equal to the height of the second face.

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          2. Antenna according to Claim 1, wherein the metallic layer covering the second face is centred with respect to the width of the said second face.

          3. Antenna according to Claim 1, wherein the metallic layer covering  
15 the second face is extended via a metallic layer covering a third face parallel to the first face.

          4. Antenna according to Claim 3, wherein the metallic layer covering the third face stretches over a width less than the length of the third face.

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          5. Antenna according to claim 3, wherein the width of the metallic layer covering the third face is different from the width of the metallic layer covering the second face.

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